

OC #11



PCT10

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/049,428

DATE: 10/23/2002

TIME: 16:22:38

Input Set : A:\P02380US.txt

Output Set: N:\CRF4\10232002\J049428.raw

3 <110> APPLICANT: Charles, Ian G.  
4 Xu, Weiming  
5 Liu, Lizhi  
7 <120> TITLE OF INVENTION: Unducible Screen for Drug Discovery  
9 <130> FILE REFERENCE: HO-P02380US0  
11 <140> CURRENT APPLICATION NUMBER: US 10/049,428  
12 <141> CURRENT FILING DATE: 2000-07-28  
14 <150> PRIOR APPLICATION NUMBER: GB 9918077  
15 <151> PRIOR FILING DATE: 1999-07-30  
17 <150> PRIOR APPLICATION NUMBER: GB 0016171.1  
18 <151> PRIOR FILING DATE: 2000-06-30  
20 <160> NUMBER OF SEQ ID NOS: 7  
22 <170> SOFTWARE: PatentIn version 3.1  
24 <210> SEQ ID NO: 1  
25 <211> LENGTH: 11  
26 <212> TYPE: PRT  
27 <213> ORGANISM: Artificial Sequence  
29 <220> FEATURE:  
30 <223> OTHER INFORMATION: C-terminal residues of human iNOS  
32 <220> FEATURE:  
33 <221> NAME/KEY: MOD\_RES  
34 <222> LOCATION: (4)..(4)  
35 <223> OTHER INFORMATION: Orn  
38 <220> FEATURE:  
39 <221> NAME/KEY: MOD\_RES  
40 <222> LOCATION: (3)..(3)  
41 <223> OTHER INFORMATION: Nle  
44 <220> FEATURE:  
45 <221> NAME/KEY: MISC\_FEATURE  
46 <222> LOCATION: (1)..(11)  
47 <223> OTHER INFORMATION: X = Modified Residues  
50 <400> SEQUENCE: 1  
W--> 52 Cys Arg Xaa Xaa Ser Leu Glu Met Ser Ala Leu  
53 1 5 10  
56 <210> SEQ ID NO: 2  
57 <211> LENGTH: 19  
58 <212> TYPE: DNA  
59 <213> ORGANISM: BACTERIA  
61 <400> SEQUENCE: 2  
62 tccctatcag tgatagaga  
65 <210> SEQ ID NO: 3  
66 <211> LENGTH: 3678  
67 <212> TYPE: DNA

19

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/049,428

DATE: 10/23/2002

TIME: 16:22:38

Input Set : A:\P02380US.txt

Output Set: N:\CRF4\10232002\J049428.raw

68 &lt;213&gt; ORGANISM: Human

70 &lt;400&gt; SEQUENCE: 3

```
71 agagaactca gcctcattcc tgctttaaaa tctctcggcc acctttgatg aggggactgg 60
73 gcagttctag acagtcccca agttctcaag gcacaggtct ctctctggtt tgactgtcct 120
75 taccgccggg aggcagtga gccagctgca agccccacag tgaagaacat ctgagctcaa 180
77 atccagataa gtgacataag tgacctgctt tgtaaagcca tagagatggc ctgtccttgg 240
79 aaattttctgt tcaagaccaa attccaccag tatgcaatga atggggaaaa agacatcaac 300
81 aacaatgtgg agaaagcccc ctgtgccacc tccagtcag tgacacagga tgacctcag 360
83 tatcacaacc tcagcaagca gcagaatgag tccccgcagc cctcgtgga gacgggaaa 420
85 aagtctccag aatctctggt caagctggat gcaaccccat tgctctccc acggcatgtg 480
87 aggatcaaaa actggggcag cgggatgact ttccaagaca cacttcacca taaggccaaa 540
89 gggattttaa ctgcaaggc caaatcttgc ctggggtcca ttatgactcc caaaagtttg 600
91 accagaggac ccagggacaa gcctaccctt ccagatgagc ttctacctca agctatcgaa 660
93 tttgtcaacc aatattacgg ctcttcaaaa gaggcaaaaa tagaggaaca tctggccagg 720
95 gtggaagcgg taacaaagga gatagaaaca acaggaacct accaactgac gggagatgag 780
97 ctcatcttcg ccaccaagca ggcctggcgc aatgccccac gctgcattgg gaggatccag 840
99 tgggtccaacc tgcaggtctt cgatgccgc agctgttcca ctgcccggga aatgtttgaa 900
101 cacatctgca gacacgtgcg ttactccacc aacaatggca acatcaggtc ggccatcacc 960
103 gtgttccccc agcggagtga tggcaagcac gacttccggg tgtggaatgc tcagctcatc 1020
105 cgctatgctg gctaccagat gccagatggc agcatcagag gggaccctgc caacgtggaa 1080
107 ttactcagc tgtgcatcga cctgggctgg aagcccaagt acggccgctt cgatgtggtc 1140
109 cccctggtcc tgcaggccaa tggcctgac cctgagctct tcgaaatccc acctgacctt 1200
111 gtgcttgagg tggccatgga acatcccaaa tacgagtggg ttcgggaact ggagctaaag 1260
113 tggtagccc tgcctgcagt ggccaacatg ctgcttgagg tgggcggcct ggagttccca 1320
115 gggtagccct tcaatggctg gtacatgggc acagagatcg gagtccggga cttctgtgac 1380
117 gtccagcgct acaacatcct ggaggaagtg ggcaggagaa tgggcctgga aacgcacaag 1440
119 ctggcctcgc tctggaaaga ccaggctgtc gttgagatca acattgctgt gctccatagt 1500
121 ttccagaagc agaatgtgac catcatggac caccactcgg ctgcagaatc cttcatgaag 1560
123 tacatgcaga atgaataccg gtccctggg ggctgcccgg cagactggat ttggctggtc 1620
125 cctcccatgt ctgggagcat cccccctg tttcaccagg agatgctgaa ctacgtcctg 1680
127 tcccccttct actactatca ggtagaggcc tggaaaaccc atgtctggca ggacgagaag 1740
129 cggagaccca agagaagaga gattccattg aaagtcttgg tcaaagctgt gctctttgcc 1800
131 tgtatgctga tgcgcaagac aatggcgtcc cgagtccagag tcaccatcct ctttgcgaca 1860
133 gagacaggaa aatcagaggc gctggcctgg gacctgggg ccttattcag ctgtgccttc 1920
135 aaccccaagg ttgtctgcat ggataagtac aggctgagct gcctggagga ggaacggctg 1980
137 ctgttggtgg tgaccagtac gtttgcaat ggagactgcc ctggcaatgg agagaaactg 2040
139 aagaaatcgc tcttcatgct gaaagagctc aacaacaaat tcagggtacg tgtgtttggc 2100
141 ctcggtccca gcatgtacct tcggttctgc gcctttgtct atgacattga tcagaagctg 2160
143 tcccacctgg gggcctctca gctcaccctg atgggagaag gggatgagct cagtgggcag 2220
145 gaggaagcct tccgcagctg ggccgtgcaa acctcaagg cagcctgtga gacgtttgat 2280
147 gtccgaggca aacagcacat tcagatcccc aagctctaca cctccaatgt gacctgggac 2340
149 ccgaccact acaggctcgt gcaggactca cagcctttgg acctcagcaa agccctcagc 2400
151 agcatgcatg ccaagaacgt gttcaccatg aggtcctaat ctcggcagaa tctacaaaag 2460
153 ccgacatcca gccgtgccac catcctggtg gaactctcct gtgaggatgg ccaaggcctg 2520
155 aactacctgc cgggggagca ccttggggtt tgcccaggca accagccggc cctgggtccaa 2580
157 ggtatcctgg agcagtggt ggatggcccc acacccccacc agacagtgcg cctggaggcc 2640
159 ctggatgaga gtggcagcta ctgggtcagt gacaagagggc tgccccctg ctactcagc 2700
161 caggccctca cctacttctt ggacatcacc acacccccaa cccagctgct gctccaaaag 2760
163 ctggcccagg tggccacaga agagcctgag agacagaggc tggaggccct gtgccagccc 2820
```

## RAW SEQUENCE LISTING

DATE: 10/23/2002

PATENT APPLICATION: US/10/049,428

TIME: 16:22:38

Input Set : A:\P02380US.txt

Output Set: N:\CRF4\10232002\J049428.raw

```
165 tcagagtaca gcaagtggaa gttcaccaac agccccacat tcctggaggt gctagaggag 2880
167 ttcccgctccc tgcgggtgtc tgctggcttc ctgctttccc agctccccat tctgaagccc 2940
169 aggttctact ccatcagctc ctcccgggat cacacgccc aagagatcca cctgactgtg 3000
171 gccgtggtca cctaccacac ccgagatggc caggggtcccc tgcaccacgg cgtctgcagc 3060
173 acatggctca acagcctgaa gcccgaagac ccagtgcctt gctttgtgcg gaatgccagc 3120
175 ggcttccacc tccccgagga tccctcccat ccttgcatcc tcatcgggcc tggcacaggc 3180
177 atcgcgccct tccgcagttt ctggcagcaa cggctccatg actcccagca caagggagtg 3240
179 cggggaggcc gcatgacctt ggtgtttggg tgccgcccgc cagatgagga ccacatctac 3300
181 caggaggaga tgctggagat ggcccagaag ggggtgctgc atgcggtgca cacagcctat 3360
183 tcccgctgc ctggcaagcc caaggtctat gttcaggaca tcctgcggca gcagctggcc 3420
185 agcgaggtgc tccgtgtgct ccacaaggag ccaggccacc tctatgtttg cggggatgtg 3480
187 cgcatggccc gggacgtggc ccacaccctg aagcagctgg tggctgcca gctgaaattg 3540
189 aatgaggagc aggtcgagga ctatttcttt cagctcaaga gccagaagcg ctatcacgaa 3600
191 gatatctttg gtgctgtatt tccttacgag gcgaagaagg acaggggtggc ggtgcagccc 3660
193 agcagcctgg agatgtca 3678
196 <210> SEQ ID NO: 4
197 <211> LENGTH: 3805
198 <212> TYPE: DNA
199 <213> ORGANISM: Human
201 <400> SEQUENCE: 4
202 atggaggatc acatgttcgg tggtcagcaa atccagccca atgtcatttc tgttcgtctc 60
204 ttcaagcgca aagttggggg cctgggattt ctggtgaagg agcgggtcag taagccgccc 120
206 gtgatcatct ctgacctgat tcgtgggggc gccgcagagc agagtggcct catccaggcc 180
208 ggagacatca ttcttgcggt caacggcccg cccttggtgg acctgagcta tgacagcgcc 240
210 ctggaggtag tcagaggcat tgctctgag acccagctgg tctcattctt gaggggccct 300
212 gaaggtttca ccacgcacct ggagaccacc ttacaggtg atgggacccc caagaccatc 360
214 cgggtgacac agcccctggg tccccccacc aaagccgtgg atctgtccca ccagccaccg 420
216 gccggcaaa aacagcccct ggcagtggat ggggcctcgg gtcccgggaa tgggcctcag 480
218 catgcctacg atgatgggca ggaggctggc tcactcccc atgccaacgg cctggccccc 540
220 agggcccccag gccaggaccc cgcgaagaaa gcaaccagag tcagcctcca aggcagaggg 600
222 gagaacaatg aactgctcaa ggagatagag cctgtgctga gccttctcac cagtgggagc 660
224 agaggggtca agggaggggc acctgccaa gcaagatga aagatatggg aatccagggt 720
226 gacagagatt tggacggcaa gtcacacaaa cctctgcccc tcggcggtga gaacgaccga 780
228 gtcttcaatg acctatgggg gaagggaat gtgcctgtcg tctcaacaa ccatattca 840
230 gagaaggagc agccccccac ctacggaaaa cagtccccca caaagaatgg cagcccctcc 900
232 aagtgtccac gcttccctcaa ggtcaagaac tgggagactg aggtgggtct cactgacacc 960
234 ctccacctta agagcacatt ggaaacggga tgcactgagt acatctgcat gggctccatc 1020
236 atgcatcctt ctacgcatgc aaggaggcct gaagacgtcc gcacaaaagg acagctcttc 1080
238 cctctcgcca aagagtttat tgatcaatac tattcatcaa ttaaaagatt tggctccaaa 1140
240 gccacatgg aaaggctgga agaggtgaac aaagagatcg acaccactag cacttaccag 1200
242 ctcaaggaca cagagctcat ctatggggcc aagcacgctt ggcggaatgc ctgcgctgt 1260
244 gtgggcagga tccagtggtc caagctgcag gtattcgatg cccgtgactg caccacggcc 1320
246 cagggatgt tcaactacat ctgtaaccat gtcaagtatg ccaccaacaa agggaaacct 1380
248 aggtctgcca tcaccatatt ccccagagg acagacggca agcacgactt ccgagtctgg 1440
250 aactcccagc tcatccgcta cgtggtctac aagcagcctg acggctccac cctgggggac 1500
252 ccagccaatg tgcagttcac agagatatgc atacagcagg gctggaaacc gcctagaggc 1560
254 cgcttcgatg tctgcgct cctgcttcag gccaacggca atgaccctga gctcttcag 1620
256 attcctccag agctgggtgtt ggaagttccc atcaggcacc ccaagtttga gtggttcaag 1680
258 gacctggggc tgaagtggta cggcctcccc gccgtgtcca acatgctcct agagattggc 1740
```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/049,428

DATE: 10/23/2002

TIME: 16:22:38

Input Set : A:\P02380US.txt

Output Set: N:\CRF4\10232002\J049428.raw

```
260 ggcctggagt tcagcgctg tcccttcagt ggctggtaca tgggcacaga gattggtgtc 1800
262 cgcgactact gtgacaactc ccgtacaaat atcctggagg aagtggccaa gaagatgaac 1860
264 ttagacatga ggaagacgtc ctccctgtgg aaggaccagg cgctggtgga gatcaatatc 1920
266 gcggtttctct atagcttcca gagtgacaaa gtgaccattg ttgaccatca ctccgccacc 1980
268 gagtcccttca ttaagcacat ggagaatgag taccgctgcc gggggggctg ccctgccgac 2040
270 tgggtgtgga tcgtgcccc catgtccgga agcatcacc ctgtgttcca ccaggagatg 2100
272 ctcaactacc ggctcaccct ctcttccgaa taccagcctg atccctggaa cacgcatgtc 2160
274 tggaaaggca ccaacgggac cccacaaaag cggcgagcca tcggcttcaa gaagctagca 2220
276 gaagctgtca agttctcggc caagctgatg gggcaggcta tggccaagag ggtgaaagcg 2280
278 accatcctct atgccacaga gacaggcaaa tcgcaagctt atgccaagac cttgtgtgag 2340
280 atcttcaaac acgcctttga tgccaagggt atgtccatgg aagaatatga cattgtgcac 2400
282 ctggaacatg aaactctggt cttgtgtgtc accagcacct ttggcaatgg agatccccct 2460
284 gagaatgggg agaaattcgg ctgtgctttg atggaaatga ggacccccaa ctctgtgcag 2520
286 gaagaaagga agagctacaa ggtccgattc aacagcgtct cctcctactc tgactcccaa 2580
288 aaatcatcag gcgatgggac cgacctcaga gacaactttg agagtgtctg acccctggcc 2640
290 aatgtgaggt tctcagtttt tggcctcggc tcacgagcat accctcactt ttgcgccttc 2700
292 ggacacgctg tggacaccct cctggaagaa ctgggagggg agaggatcct gaagatgagg 2760
294 gaaggggatg agctctgtgg gcaggaagag gctttcagga cctgggcca gaaggtcttc 2820
296 aaggcagcct gtgatgtctt ctgtgtggga gatgatgtca acattgaaaa ggccaacaat 2880
298 tccctcatca gcaatgatcg cagctggaag agaaacaagt tccgcctcac ctttgtggcc 2940
300 gaagctccag aactcacaca aggtctatcc aatgtccaca aaaagcgagt ctgagctgcc 3000
302 cggctcctta gccgtcaaaa cctccagagc cctaaatcca gtcggccaac tatcttcgtg 3060
304 cgtctccaca ccaacgggag ccaggagctg cagtaccagc ctggggacca cctgggtgtc 3120
306 ttccctggca accacgagga cctcgtgaat gccctgatcg agcggctgga ggacgcgcgc 3180
308 cctgtcaacc agatggtgaa agtggaaact ctggaggagc ggaacacggc tttaggtgtc 3240
310 atcagtaact ggacagacga gctccgcctc ccgcctgca ccatcttcca ggccctcaag 3300
312 tactacctg acatcaccac gccaccaacg cctctgcagc tgcagcagtt tgccctccca 3360
314 gctaccagcg agaaggagaa gcagcgtctg ctggctccta gcaagggttt gcaggagtac 3420
316 gaggaatgga aatggggcaa gaacccacc atcgtggagg tgcaggagga gttcccatct 3480
318 atccagatgc cggccaccct gctcctgacc cagctgtccc tgcagcagcc ccgctactat 3540
320 tccatcagct cctcccaga catgtaccct gatgaagtgc acctcactgt ggccatcgtt 3600
322 tccatccgca ctcgagatgg agaaggacca attcaccacg gcgtatgtct ctccctggctc 3660
324 aaccggatac aggctgacga actggtcccc tgtttcgtga gaggagcacc cagcttccac 3720
326 ctgccccgga acccccaagt cccctgcac ctcgttgagc caggcacccg cattgcccct 3780
328 ttccgaagct tctggcaaca gcggc 3805
331 <210> SEQ ID NO: 5
332 <211> LENGTH: 3612
333 <212> TYPE: DNA
334 <213> ORGANISM: Human
336 <400> SEQUENCE: 5
337 atgggcaact tgaagagcgt ggcccaggag cctgggccac cctgcggcct ggggctgggg 60
339 ctgggccttg ggtgtgcgg caagcagggc ccagccaccc cggcccctga gccagccgg 120
341 gcccagcat ccctactccc accagcgcca gaacacagcc ccccgagctc cccgctaacc 180
343 cagccccag aggggccc aa gttccctcgt gtgaagaact gggaggtggg gagcatcacc 240
345 tatgacaccc tcagcgccca ggcgagcag gatgggccct gcaccccaag acgctgcctg 300
347 ggctcccttg tatttccacg gaaactacag ggccggccct ccccgggccc cccggccct 360
349 gagcagctgc tgagtcaggc ccgggacttc atcaaccagt actacagctc cattaagagg 420
351 agcggctccc agggccacga acagcggtt caagaggtgg aagccgaggt ggcagccaca 480
353 ggcacctacc agcttaggga gagcgagctg gtgttcgggg ctaagcaggc ctggcgcaac 540
```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/049,428

DATE: 10/23/2002

TIME: 16:22:38

Input Set : A:\P02380US.txt

Output Set: N:\CRF4\10232002\J049428.raw

355	gctccccgct	gcggtgggccc	gatccagtg	gggaagctgc	aggtgttcga	tgccccgggac	600
357	tgcaggtctg	cacaggaaat	gttcacctac	atctgcaacc	acatcaagta	tgccaccaac	660
359	cggggcaacc	ttcgctcggc	catcacagt	ttccccgagc	gctgccctgg	ccgaggagac	720
361	ttccgaatct	ggaacagcca	gctggtgcgc	tacgcgggct	accggcagca	ggacggctct	780
363	gtgcgggggg	acccagccaa	cgtggagatc	accgagctct	gcattcagca	cggctggacc	840
365	ccaggaaacg	gtcgcttcga	cgtgctgccc	ctgctgctgc	aggccccaga	tgagccccc	900
367	gaactcttcc	ttctgcccc	cgagctggtc	cttgaggtgc	ccctggagca	ccccacgctg	960
369	gagtggtttg	cagccctggg	cctgcgctgg	tacgccctcc	cggcagtgct	caacatgctg	1020
371	ctggaaattg	ggggcctgga	gttccccgca	gcccccttca	gtggctggta	catgagcaact	1080
373	gagatcgga	cgaggaaact	gtgtgacct	caccgctaca	acatcctgga	ggatgtggct	1140
375	gtctgcatgg	acctggatac	ccggaccacc	tcgtccctgt	ggaaagacaa	ggcagcagtg	1200
377	gaaatcaacg	tggccgtgct	gcacagttac	cagctagcca	aagtcacat	cgtggaccac	1260
379	cacgccgcca	cggcctcttt	catgaagcac	ctggagaatg	agcagaaggc	cagggggggc	1320
381	tgccctgcag	actgggcctg	gatcgtgccc	cccctctcgg	gcagcctcac	tcctgttttc	1380
383	catcaggaga	tggtaacta	tttctgtcc	ccggccttcc	gctaccagcc	agaccctgg	1440
385	aaggggagtg	ccgccaagg	caccggcatc	accaggaaga	agacctttaa	agaagtggcc	1500
387	aacgccgtga	agatctccgc	ctcgctcatg	ggcacggtga	tggcgaagcg	agtgaaggcg	1560
389	acaatcctgt	atggctccga	gaccggcccg	gcccagagct	acgcacagca	gctggggaga	1620
391	ctcttccgga	aggcttttga	tccccgggtc	ctgtgtatgg	atgagtatga	cgtggtgtcc	1680
393	ctcgaacacg	agacgctggt	gctggtggta	accagcacat	ttgggaatgg	ggatcccccg	1740
395	gagaatggag	agagctttgc	agctgccctg	atggagatgt	ccggccocta	caacagctcc	1800
397	cctcgcccg	aacagcacia	gagttataag	atccgcttca	acagcatctc	ctgctcagac	1860
399	ccactggtgt	cctcttggcg	gcggaagagg	aaggagtcca	gtaacacaga	cagtgcaggg	1920
401	gccctgggca	ccctcaggtt	ctgtgtgttc	gggctcggct	cccgggcata	ccccacttc	1980
403	tgcgcctttg	ctcgtgccgt	ggacacacgg	ctggaggaac	tgggcgggga	gcggctgctg	2040
405	cagctggggc	agggcgacga	gctgtgcggc	caggaggagg	ccttccgagg	ctgggcccag	2100
407	gctgccttcc	aggccgcctg	tgagaccttc	tgtgtgggag	aggatgccaa	ggccgcggcc	2160
409	cgagacatct	tcagccccaa	acggagctgg	aagcgccaga	ggtaccggct	gagcgcccag	2220
411	gccgaggggc	tgcaagtgtc	gccaggtctg	atccacgtgc	acaggcggaa	gatgttccag	2280
413	gctacaatcc	gctcagtgg	aaacctgcaa	agcagcaagt	ccacgagggc	caccatcctg	2340
415	gtgcgcctgg	acaccggagg	ccaggagggg	ctgcagtacc	agccggggga	ccacataggt	2400
417	gtctgcccgc	ccaaccggcc	cggccttgtg	gaggcgctgc	tgagccgcgt	ggaggaccgc	2460
419	ccggcgccca	ctgagcccg	ggcagtagag	cagctggaga	agggcagccc	tggtggccct	2520
421	ccccccggct	gggtgcggga	ccccggctg	ccccgtgca	cgctgcgcca	ggctctcacc	2580
423	ttcttccctg	acatcacctc	cccaccagc	cctcagctct	tgcggctgct	cagcaccttg	2640
425	gcagaagagc	ccagggaaca	gcaggagctg	gaggccctca	gccaggatcc	ccgacgctac	2700
427	gaggagtgg	agtgggtccg	ctgccccacg	ctgctggagg	tgctggagca	gttcccgtcg	2760
429	gtggcgctgc	ctgccccact	gctcctcacc	cagctgcctc	tgctccagcc	ccggtactac	2820
431	tcagtacgct	cggcaccag	caccacccca	ggagagatcc	acctcactgt	agctgtgctg	2880
433	gcatacagga	ctcaggatgg	gctgggcccc	ctgcactatg	gagtctgctc	cacgtggcta	2940
435	agccagctca	agcccgagga	ccctgtgccc	tgttctatcc	ggggggctcc	ctccttccgg	3000
437	ctgccaccgc	atcccagctt	gccctgcatt	ctgggtgggtc	caggcactgg	cattgcccc	3060
439	ttccggggat	tctggcagga	gcggctgcat	gacattgaga	gcaaagggct	gcagcccact	3120
441	cccatgactt	tggtgttcgg	ctgccgatgc	tcccaacttg	accatctcta	ccgcgacgag	3180
443	gtgcagaacg	cccagcagcg	cggggtgttt	ggccgagtc	tcaccgcctt	ctcccgggaa	3240
445	cctgacaacc	ccaagacct	cgtgcaggac	atcctgagga	cggagctggc	tgccgaggtg	3300
447	caccgcgtgc	tgtgcctcga	gcggggccac	atgtttgtct	gcggcgatgt	taccatggca	3360
449	accaacgtcc	tgagaccgt	gcagcgcatc	ctggcgacgg	agggcgacat	ggagctggac	3420
451	gaggccggcg	acgtcatcgg	cgtgctgcgg	gatcagcaac	gctaccacga	agacattttc	3480

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/049,428

DATE: 10/23/2002  
TIME: 16:22:39

Input Set : A:\P02380US.txt  
Output Set: N:\CRF4\10232002\J049428.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 3,4

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/049,428

DATE: 10/23/2002

TIME: 16:22:39

Input Set : A:\P02380US.txt

Output Set: N:\CRF4\10232002\J049428.raw

L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0